

CLAIMS

1. A device, comprising:
5 a LED array having an anti-parallel configuration;
an inverter operable to provide an alternating voltage at a switching frequency; and
an impedance circuit operable to direct a flow of an alternating current through said LED array in response to the alternating voltage.
- 10 2. The device of claim 1, wherein said LED array includes a switch operable to control a flow of the alternating current through said LED array.
3. The device of claim 1, wherein:
15 said impedance circuit includes a first capacitor coupled in series to said LED array; and
said LED array includes an LED pair, a pair of LED strings or a LED matrix.
- 20 4. The device of claim 3, wherein said impedance circuit further includes an inductor coupled in series between said inverter and said impedance circuit.
5. The device of claim 3, wherein said LED array further includes a
25 switch operable to vary or divert a flow of the alternating current through said LED array.

6. The device of claim 3, wherein:
said impedance circuit further includes a second capacitor coupled
in series to said first capacitor; and

5 said LED array further includes a switch operable to vary or divert a
flow of the alternating current through said LED array.

7. A device, comprising:
a LED array having an anti-parallel configuration;
10 an inverter operable to provide an alternating voltage; and
an impedance circuit operable to direct a flow of an alternating
current through said LED array in response to the alternating voltage,
wherein said LED array includes a switch operable to control
a flow of the alternating current through said LED array.

15 8. A device, comprising:
a LED array having an anti-parallel configuration;
means for providing an alternating voltage; and
means for controlling a flow of an alternating current through said
20 LED array in response to the alternating voltage.

9. A method of illuminating an LED array having an anti-parallel
configuration, comprising:
operating an inverter to provide an alternating voltage; and
25 operating an impedance circuit to direct a flow of an alternating
current through the LED array in response to the alternating voltage.

10. The method of claim 9, further comprising:
operating a switch to selectively control the flow of the alternating
30 current through the one or more pairs of LEDs.